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preamp or pre adj amplif\$5) and (disk or disc) and differentiaT\$5 NEAR5 CIRCUIT (perpendicular or vertical) near (writ\$5 record\$5) and head and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) and (data or information) near channel (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or mr) and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj uSPAT; US-PGPUB; DERWENT; IBM_TDB uSPAT; US-PGPUB; I		18	(perpendicular or vertical) near (writ\$5 record\$5) and head and (preamplif\$5 or		2003/09/06 16: 27
CIRCUIT (perpendicular or vertical) near (writ\$5 record\$5) and head and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) and (data or information) near channel (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or mr) and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj uSPAT; uS-PGPUB; lBM_TDB uSPAT; lBM_TDB uSPAT; lBM_TDB uSPAT; lBM_TDB uSPAT; uS-PGPUB; lS-PGPUB; lS-PGPU					
(perpendicular or vertical) near (writ\$5 record\$5) and head and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) and (data or information) near channel (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;					
16 (perpendicular or vertical) near (writ\$5 record\$5) and head and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) and (data or information) near channel 79 (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) 14 (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj USPAT; USPGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPGPUB; IBM_TDB USPAT;					
preamp or pre adj amplif\$5) and (disk or disc) and (data or information) near channel 19 (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) 10 (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj USPAT; US		.,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2002-00-04-4
channel resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj USPAT;		16	(perpendicular or vertical) near (writs records) and head and (preamplifs or		2003/09/06 16: 29
79 (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) 14 (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj 14 (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj 15 DERWENT; IBM_TDB 16 USPAT; USPAT; IBM_TDB 17 USPAT; U	1				
(perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) [IBM_TDB USPAT; US-PGPUB; EPO; JPO; DER WENT; IBM_TDB USPAT; US-PGPUB; EPO; DER WENT; IBM_TDB USPAT; US-PGPUB; IS-PGPUB; IS-	İ		onamo:		
resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj amplif\$5) and (disk or disc) US-PGPUB; EPO; JPO; DERWENT; IBM_TDB (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;					
amplif\$5) and (disk or disc) EPO; JPO; DERWENT; IBM_TDB (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj US-PGPUB;	1	79	(perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near		2003/09/06 16: 37
DERWENT; IBM_TDB USPAT; Compendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj US-PGPUB;	}				
14 (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj US-PGPUB;			amplit \$5) and (disk or disc)		
14 (perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj US-PGPUB;			·		
resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj US-PGPUB;		14	(nemendicular or vertical) near (writ\$5 record\$5) and (head or magneto near		2003/09/06 16: 39
amplif\$5) and (differentiat\$5 near3 circuit) and channel and (disk or disc) EPO: JPO:		47			2303/07/00 10: 35
	İ		amplif\$5) and (differentiat\$5 near3 circuit) and channel and (disk or disc)	EPO; JPO;	
DERWENT;	}			DERWENT;	
IBM_TDB				IBM_TDB	

•	48	(perpendicular or vertical) near (writ\$5 record\$5) and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj amplif\$5) and channel and (disk or disc)	USPAT; US-PGPUB; EPO; JPO;	2003/09/06 16: 42
			DERWENT; IBM_TDB	
•	23	(perpendicular or vertical) near (writ\$5 record\$5) near10 magnetic and (head or magneto near resistive or magnetoresistive or mr) and (preamplif\$5 or preamp or pre adj amplif\$5) and channel and (disk or disc)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/06 16:49
			IBM_TDB	
-	24	(perpendicular or vertical) near5 (record\$5 or writ\$5) and (preamplifier or amplifier or pre near amplifier) near10 (reading or reproducing) and (differentiation or differentiating) near5 circuit and channel	USPAT	2003/09/08 07: 17
-	12	(perpendicular or vertical) near5 (record\$5 or writ\$5) and (preamplifier or amplifier or pre near amplifier) near10 (reading or reproducing) and (differentiation or differentiating) near5 circuit and channel and 360/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/08 07: 23
-	30	(perpendicular or vertical) near5 (record\$5 or writ\$5) and (preamplifier or amplifier or pre near amplifier) and (differentiation or differentiating) near5 circuit and channel and 360/\$.ccls.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/08 07: 27
-	71	(perpendicular or vertical) near5 (record\$5 or writ\$5) and (preamplifier or amplifier or pre near amplifier) and (differentiation or differentiating or differentiate) near5 (circuit or element) and 360/\$.ccls.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/08 07: 33
-	128	(perpendicular or vertical) near5 (record\$5 or writ\$5) and (preamplif\$5 or amplif\$5 or pre near amplif\$5) and (differentiating or differentiation or differentiate) and 360/\$.ccls.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/08 07: 39
			IBM_TDB	
-	28	((perpendicular or vertical) near5 (record\$5 or writ\$5) and (preamplifier or amplifier or pre near amplifier) near10 (reading or reproducing) and 360/\$.ccls.) and ((perpendicular or vertical) near5 (record\$5 or writ\$5) and	USPAT; US-PGPUB; EPO; JPO;	2003/09/08 07: 39
-	204	(preamplif\$5 or amplif\$5 or pre near amplif\$5) and (differentiating or differentiation or differentiate) and 360/\$.ccls.) (perpendicular or vertical) near5 (record\$5 or writ\$5) and (preamplifier or amplifier or pre near amplifier) near10 (reading or reproducing) and 360/\$.ccls.	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/08 07: 51
-	7	(perpendicular or vertical) near5 (record\$5 or writ\$5) and (preamplifier or amplifier or pre near amplifier) near10 (reading or reproducing) and 360/46.ccls.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/08 08:13
•	3	(perpendicular or vertical) near5 (record\$5 or writ\$5) and (preamplifier or amplifier or pre near amplifier) near10 (reading or reproducing) and (differentiate or differentiating or differentiation) and 360/46.ccls.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/08 07: 52
-	204	(perpendicular or vertical) near5 (record\$5 or writ\$5) and (preamplifier or amplifier or pre near amplifier) near10 (reading or reproducing) and 360/\$.ccls.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/08 08: 17
•	28	(perpendicular or vertical) near5 (record\$5 or writ\$5) and (preamplifier or amplifier or pre near amplifier) near10 (reading or reproducing) and (differentiate or differentiating or differentiation) and 360/\$.ccls.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/08 08: 42
<u>.</u>	5	(perpendicular or vertical) near (record\$5 or writ\$5) and (preamplifier or amplifier or pre near amplifier) near10 (reading or reproducing) and (differentiate or differentiating or differentiation) and 360/\$.ccls.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/08 08: 43
-	40	(perpendicular or vertical) near5 (record\$5 or writ\$5) same magnetic and (preamplifier or amplifier or pre near amplifier) near10 (reading or reproducing) and (differentiate or differentiating or differentiation)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/08 08: 59

Greenpolitier or amplifier or pre-near emplifier) near10 (reading or reproducing and 346%-cells. Comparison of the c					
- 0 360/46.cels. and (perpendicular or vertical) near's (records or writs) near's (records or wr	•	112	(preamplifier or amplifier or pre near amplifier) near 10 (reading or	US-PGPUB;	2003/09/08 09:05
megaetics 5) and (amplifs or preamplifs or pre near amplifs) 1 360/s cols. and (perpendicular or vertical) nears (records or writs) nears (megaetics 5) and (amplifs or preamplifs or pre near amplifs) 2 360/s cols. and (perpendiculars or verticals) nears (records or writs) nears (megaetics 5) and (amplifs or preamplifs or pre near amplifs) 2 360/s cols. and (perpendiculars or verticals 5) nears (records or writs) nears (megaetics 5) and (amplifs or preamplifs or pre near amplifs) 3 460/s cols. and (perpendiculars or verticals 5) nears (records or writs) nears (megaetics 5) and (amplifs or preamplifs or pre near amplifs) 4 0 3 460/s cols. and (perpendiculars or verticals 5) nears (records 5 or writs 5) nears (megaetics 5) and (amplifs or preamplifs or pre near amplifs) 5 0 0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			reproducing) and 360/\$.ccis.	DERWENT,	
360/s.ccls. and (perpendicular or verticals) nears (records or writs) nears (megacites) and (amplifs) or preamplifs or pre near amplifs) 108 PAT 108 P	-	0		USPAT; US-PGPUB; EPO; JPO;	2003/09/08 09: 08
- 0 360/3.ccls. and (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) near\$ (record\$5 or writ	-	0	360/\$.ccls. and (perpendicular or vertical) near5 (record\$5 or writ\$5) near5 (megnetic\$5) and (amplif\$5 or preamplif\$5 or pre near amplif\$5)	IBM_TDB USPAT; US-PGPUB;	2003/09/08 09: 08
- 0 340/4.ccls. and (perpendicular55 or vertical55) near5 (record55 or writ55) same (megnetic55) and (amplif55 or preamplif55 or pre near amplif55) mear5 (record55 or writ55) same (megnetic55) megnetic55) and (amplif55 or preamplif55 or pre near amplif5) mear5 (record55 or writ55) same (megnetic55) megnetic55) mear5 (record55 or writ55) same (magnetic55) megnetic55) megnet	-	0	360/\$.ccls. and (perpendicular\$5 or vertical\$5) near5 (record\$5 or writ\$5) near5	DERWENT; IBM_TDB	2003/09/08 09: 09
360/5.ccls. and (perpendiculars or verticals or verticals or writs) same (megnetics) 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 09 2003/09/08 09: 10 2003/09/08 10: 10			(megnetic\$5) and (amplif\$5 or preamplif\$5 or pre near amplif\$5)	EPO; JPO; DERWENT;	
Comparison of the previous o	-	0		USPAT; US-PGPUB; EPO; JPO;	2003/09/08 09: 09
- 11427 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (megnetic\$5) - 11427 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 1458 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 1458 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 146 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 146 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 146 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 146 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 146 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 146 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 147 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 148 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 149 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 140 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 140 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 140 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 140 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 140 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 140 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 140 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 140 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 140 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 140 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5) - 140 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) - 140 (perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ	-	0		IBM_TDB USPAT; US-PGPUB;	2003/09/08 09: 10
Pep Pep	-	6	(perpendicular\$5 or vertical\$5) near5 (record\$5 or writ\$5) same (megnetic\$5)	DERWENT; IBM_TDB USPAT;	2003/09/08 09: 11
- 1458 ((perpendicular\$5 or vertical\$5) near5 (record\$5 or writ\$5) same (magnetic\$5)) and (preamplif\$5 or pre near amplif\$5 or amplif\$5) - 446 (((perpendicular\$5 or vertical\$5) near5 (record\$5 or writ\$5) same (magnetic\$5))	-	11427	(perpendicular\$5 or vertical\$5) near5 (record\$5 or writ\$5) same (magnetic\$5)	EPO; JPO; DERWENT; IBM_TDB USPAT;	2003/09/08 09: 12
and (preamplif\$5 or pre near amplif\$5 or amplif\$5) 446 (((perpendicular\$5 or vertical\$5) near\$ (record\$5 or writ\$5) same (magnetic\$5)				EPO; JPO; DERWENT; IBM_TDB	
- 446 (((perpendicular\$5 or vertical\$5) near5 (record\$5 or writ\$5) same (magnetic\$5) USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; J	-	1458		US-PGPUB; EPO; JPO; DERWENT;	2003/09/08 09: 13
- 80 ((((perpendicular\$5 or vertical\$5) near5 (record\$5 or writ\$5) same (magnetic\$5) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO, JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO, JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO, JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; ISPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; ISPO; JPO; ISPO; JPO; ISPO; JPO; ISPO; JPO; JPO; ISPO; JPO; JPO; ISPO; JPO; JPO; ISPO; JPO; JPO; ISPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J	-	446		USPAT; US-PGPUB; EPO; JPO;	2003/09/08 09: 16
- 531 different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same signal and 360/\$.ccls. 96 different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same signal and 360/46.ccls. 97 different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same signal and 360/46.ccls. 98 different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same signal and (perpendicular or vertical) near4 (record\$5 or writ\$5) and 360/46.ccls. 98 different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same signal and 360/46.ccls. 99 different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same signal and 360/46.ccls. 99 different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same signal and 360/46.ccls.	-	80) and (preamplif\$5 or pre near amplif\$5 or amplif\$5)) and channel) and	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/09/08 10: 19
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; US-PGPUB; EPO; JPO; IS-PGPUB; IS	-	531		IBM_TDB USPAT; US-PGPUB;	2003/09/08 10: 22
- different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same signal and (perpendicular or vertical) near4 (record\$5 or writ\$5) and 360/46.ccls. - 96 different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same signal and 360/46.ccls. - 96 different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same signal and 360/46.ccls. - 196 different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same signal and 360/46.ccls. - 197 different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same signal and 360/46.ccls.	-	96	different\$8 near2 circuit same (amplifier or preamplifier or pre near	DERWENT; IBM_TDB USPAT;	2003/09/08 10: 24
amplifier) same signal and (perpendicular or vertical) near4 (record\$5 or writ\$5) and 360/46.ccls. US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT; USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT; USPAT; US-PGPUB; EPO; JPO; USPO; DERWENT; IBM_TDB		_		EPO; JPO; DERWENT; IBM_TDB	
- 96 different\$8 near2 circuit same (amplifier or pre amplifier or pre near amplifier) same signal and 360/46.ccls. USPĀT; US-PGPUB; EPO; JPO;	-	5	amplifier) same signal and (perpendicular or vertical) near4 (record\$5 or	US-PGPUB; EPO; JPO; DERWENT;	2003/09/08 10: 30
I DERWENT: I	-	96	different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same signal and 360/46.ccls.	USPAT; US-PGPUB; EPO; JPO;	2003/09/08 10: 33
IBM_TDB				DERWENT; IBM_TDB	

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-	54	different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same signal and channel and 360/46.ccls.	USPAT; US-PGPUB; EPO; JPO;	2003/09/08 11:26
			DERWENT;	
	7	different®® near einquit some (emplifier or prosmalifier or pro	IBM_TDB USPAT:	3003/00/00 11 44
-	·	different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same (differentiat\$5) near10 output near5 signal and channel and	US-PGPUB;	2003/09/08 11:44
1		360/46.ccls.	EPO; JPO;	•
1			DERWENT;	1
1			IBM_TDB	
-	6	different\$8 near2 circuit same (amplifier or preamplifier or pre near	USPAT;	2003/09/08 11:49
		amplifier) same (differentiat\$5) near10 output near5 (read\$5 or reproduc\$5) and 360/46.ccls.	US-PGPUB;	
1		and 300/40.0015.	EPO; JPO; DERWENT;	
1.			IBM_TDB	
-	8	different\$8 near2 circuit same (amplifier or preamplifier or pre near	USPAT;	2003/09/08 12:42
•		amplifier) same (differentiat\$5) near10 output near10 (amplifier or pre near	US-PGPUB;	
		amplifier or preamplifier) and 360/46.ccls.	EPO; JPO; DERWENT;	
			IBM_TDB	
-	1072	different\$8 near2 circuit same (amplifier or preamplifier or pre near	USPAT;	2003/09/08 12:44
1		amplifier) same (differentiat\$5) near10 output near10 (amplifier or pre near	US-PGPUB;	
		amplifier or preamplifier) and ta 360/46.ccls.	EPO; JPO;	
			DERWENT; IBM_TDB	
-	2	different\$8 near2 circuit same (amplifier or preamplifier or pre near	USPAT;	2003/10/17 19:22
	_	amplifier) same (differentiat\$5) near10 output near10 (amplifier or pre near	US-PGPUB;	
		amplifier or preamplifier) and ta and 360/46.ccls.	EPO; JPO;	
			DERWENT;	
_	0	different\$8 near2 circuit same (amplifier or preamplifier or pre near	IBM_TDB USPAT:	2003/09/08 12:47
		amplifier) same (differentiat\$5) near10 output near10 (amplifier or pre near	US-PGPUB;	2003/07/00 12:47
		amplifier or preamplifier) and (thermal\$5 near asperit\$5) and 360/46.ccls.	ЕРО; ЈРО;	
			DERWENT;	
_	1	differentse near aircuit come (emplifier or progmalifier or pro	IBM_TDB USPAT;	2003/09/08 12:49
		different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same (differentiat\$5) near10 output and (thermal\$5 near asperit\$5)	US-PGPUB;	2003/09/08 12:49
		and 360/46.ccls.	EPO; JPO;	
			DERWENT;	
		differentfo many singuit same (amplifier or many)	IBM_TDB	3003/00/00 13 50
-	1	different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) same (differentiat\$5) and (thermal\$5 near asperit\$5) and	USPAT; US-PGPUB;	2003/09/08 12: 50
i		360/46.ccls.	EPO; JPO;	
			DERWENT;	
	_	4:66	IBM_TDB	3003 (00 (00 13 FF
-	9	different\$8 near2 circuit same (amplifier or preamplifier or pre near amplifier) and (thermal\$5 near asperit\$5) and 360/46.ccls.	USPAT; US-PGPUB;	2003/09/08 12: 55
		ampiritor, and thermals near asperits), and 300/40.0018.	EPO; JPO;	
			DERWENT;	
	_	11 1 0 10 mg tag tag tag	IBM_TDB	
•	5	(perpendicular or vertical) near5 (record\$5 or writ\$5) same (thermal\$5 near asperity) and 360/\$.ccls.	USPAT; US-PGPUB;	2003/09/08 14: 31
		asperity) and 360/3.ccis.	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	39	(preamplifier or pre near amplifier) and (read\$5 or reproduc\$5) near5 amplif\$5	USPAT;	2003/09/08 14: 34
		and (adjust\$5 near5 circuit) and (differentiat\$5 near5 circuit)	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM_TDB	
-	26	(preamplifier or pre near amplifier) and (read\$5 or reproduc\$5) near5 amplif\$5	USPAT;	2003/09/08 14: 37
		and (adjust\$5 near5 circuit) and (differentiat\$5 near5 circuit) and (disk or disc)	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM_TDB	
-	8	(preamplifier or pre near amplifier) and (read\$5 or reproduc\$5) near5 amplif\$5	USPAT;	2003/09/08 14:45
		and (adjust\$5 near frequency) and (differentiat\$5 near5 circuit) and (disk or	US-PGPUB;	
		disc)	EPO; JPO;	
			DERWENT; IBM_TDB	
-	18	(preamplifier or pre near amplifier) and (read\$5 or reproduc\$5) near5 amplif\$5	USPAT;	2003/09/08 14:46
	1	and ((adjust\$5 or chang\$5) near frequency) and (differentiat\$5 near5 circuit)	US-PGPUB;	
		and (disk or disc)	EPO; JPO;	
			DERWENT; IBM_TDB	
	<u> </u>	13.11.24.20 PM Page 4	מעו_וייים	<u> </u>

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-	9	(preamplifier or pre near amplifier) and (read\$5 or reproduc\$5) near5 amplif\$5 and ((adjust\$5 or chang\$5) near5 (cut near off or cutoff) near5 frequency) and (differentiat\$5 near5 circuit) and (disk or disc)	USPAT; US-PGPUB; EPO; JPO;	2003/09/08 14: 53
			DERWENT, IBM_TDB	
-	4	(preamplifier or pre near amplifier) and ((adjust\$5 or chang\$5) near5 (cut near off or cutoff) near5 frequency) and (differentiat\$5 near5 circuit) and (disk or disc) and (perpendicular or vertical) near5 (record\$5 or writ\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/08 14: 55
-	5	(chang\$5 or adjust\$5) near10 (cut near off or cutoff) near5 frequenc\$3 and (read\$5 or reproduc\$5) near3 amplif\$5 and (perpendicular or vertical) near3 (record\$5 or writ\$5)	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/09/08 15:12
		for det annual de fet annual d	DERWENT; IBM_TDB	
	135	(read\$5 or reproduc\$5) near10 (amplif\$5 or preamplif\$5 or pre near5 amplifier) and (asdjust\$5 or chang\$5) near5 (cut near off or cutoff) near5 frequency	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/08 15:15
-	18	(read\$5 or reproduc\$5) near10 (amplif\$5 or preamplif\$5 or pre near5 amplifier) and (asdjust\$5 or chang\$5) near5 (cut near off or cutoff) near5 frequency and (differentiat\$5 near5 circuit)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/08 15:16
-	9	(read\$5 or reproduc\$5) near10 (amplif\$5 or preamplif\$5 or pre near5 amplifier) and (asdjust\$5 or chang\$5) near5 (cut near off or cutoff) near5 frequency and (differentiat\$5 near5 circuit) and 360/\$.ccls.	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/09/08 15: 19
-	10	(read\$5 or reproduc\$5) near10 (amplif\$5 or preamplif\$5 or pre near5 amplifier) and (asdjust\$5 or chang\$5) near5 (cut near off or cutoff) near5 frequency and (differentiat\$5 near5 circuit) and (disk or disc)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/09/08 15: 34
-	12	(amplif\$5 or preamplif\$5 or pre near5 amplifier) and (asdjust\$5 or chang\$5) near5 (cut near off or cutoff) near5 frequency and (differentiat\$5 near5 circuit) and (disk or disc)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/09/08 15: 52
-	16	(amplif\$5 or preamplif\$5 or pre near5 amplifier) and (adjust\$5 or chang\$5) near5 (cut near off or cutoff) near5 frequency and (differentiat\$5 near5 circuit) and (disk or disc)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/09/09 14: 24
-	1754	(amplif\$5 or preamplif\$5 or pre near5 amplifier) and (differentiat\$5 near5 circuit) and (disk or disc)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/09/09 14: 25
-	626	(amplif\$5 or preamplif\$5 or pre near5 amplifier) and (differentiat\$5 near5 circuit) and 360/\$46.ccls.	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/09/09 14: 25
-	79	(amplif\$5 or preamplif\$5 or pre near5 amplifier) and (differentiat\$5 near5 circuit) and 360/46.ccls.	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/09/09 14: 25
-	202	((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) and (differentiat\$5 near10 circuit) and channel and 360/\$.ccls.	DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/10/17 13: 23
-	169	((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) and (differentiat\$5 near5 circuit) and channel and 360/\$.ccls.	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/10/17 13: 23
-	81	((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near5 circuit) and channel and 360/\$.ccls.	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/10/17 18: 29
		33 11: 24: 20 PM Page 5	EPO; JPO; DERWENT; IBM_TDB	

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near5 circuit) and channel and 360/46.ccls. 132 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 preor. IPO. DERWENT, IBM_TDB USPAT, US-PGPUB, EPO, IPO. DERWENT, IBM_TDB USPAT, USPAGPUB, EPO, IPO. DERWENT, IBM_T					
DERWENT; DERWENT;	•	17		US-PGPUB;	2003/10/17 13: 30
1. 1. 1. 1. 1. 1. 1. 1.				DERWENT;	
near's circuit) and channel and (perpendicular's) vertical\$4) and 360/s.ccls. (typre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near's circuit) and (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and 360/s.ccls. (typre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near's circuit) and (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and (perpendicular\$5 vertical\$5) and 360/s.ccls. (typre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near's circuit) and (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and 360/s.ccls. (typre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near's circuit) and (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and 360/s.ccls. (typre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near's circuit) same (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and 360/s.ccls. (typre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near's circuit) same (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and 360/s.ccls. (typre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near's circuit) same (adjust\$5 chang\$5 alter\$5) near5 (perpendicular\$5 vertical\$5) 1003/10/17 14-01 1003/10/17 18-11 1003/10/17 18-11 1003/10/17 18-11 1003/10/17 18-11 1003		32	(fore near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5		2003/10/17 13: 53
DERWENT; DERWENT;		. –		US-PGPUB;	
BM_TDB BW_ATTS BWATTS					
near5 circuity and (adjust5s chang5s alter55) near10 frequenc5s and 360/s.ccls. US-PGPUB; PO, JPO, DERWENT; BM, TDB USPAT; USP-PGPUB; PO, JPO, JPO, JPO, JPO, JPO, JPO, JPO,				IBM_TDB	
- 37 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near\$ circuit) and (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and (perpendicular\$5 vertical\$5) and 360/\$.ccls. - 30 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near\$ circuit) and (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and 360/\$.ccls. not (perpendicular\$5 vertical\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near\$ circuit) and (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and 360/\$.ccls. not (perpendicular\$5 vertical\$5) - 7 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near\$ circuit) same (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and 360/\$.ccls. not (perpendicular\$5 vertical\$5) - 85 longitudinal near\$ (reproduc\$5 read\$5) same (perpendicular\$3 vertical\$5) - 85 longitudinal near\$ (reproduc\$5 read\$5) same (perpendicular\$3 vertical\$5) - 90 longitudinal near\$ (reproduc\$5 read\$5) same (perpendicular\$3 vertical\$5) - 10 longitudinal near\$ (reproduc\$5 read\$5) same (perpendicular\$3 vertical\$5) - 10 longitudinal near\$ (reproduc\$5 read\$5) same (perpendicular\$3 vertical\$5) - 10 longitudinal near\$ (reproduc\$5 read\$5) same (perpendicular\$3 vertical\$5) - 10 longitudinal near\$ (reproduc\$5 read\$5) near\$ (perpendicular\$3 vertical\$5) - 10 longitudinal near\$ (reproduc\$5 read\$5) near\$ (perpendicular\$3 vertical\$5) - 10 longitudinal near\$ (reproduc\$5 read\$5) near\$ (perpendicular\$3 vertical\$5) - 10 longitudinal near\$ (reproduc\$5 read\$5) near\$ (perpendicular\$3 vertical\$5) - 10 longitudinal near\$ (reproduc\$5 read\$5) near\$ (perpendicular\$3 vertical\$5) - 10 longitudinal near\$ (reproduc\$5 read\$5) near\$ (perpendicular\$3 vertical\$5) - 10 longitudinal near\$ (reproduc\$5 read\$5) near\$ (perpendicular\$3 vertical\$5) - 11 longitudinal near\$ (reproduc\$5 read\$5) near\$ (perpendicular\$3 vertical\$5) - 12 longitudinal near\$ (reproduc\$5 read\$5) near\$ (perpendicular\$3 vertical\$5) - 13 longitudinal near\$ (reproduc\$5 read\$5) near\$ (perpendicular\$3 vertical\$5) - 14 longitudinal near	-	87			2003/10/17 13: 53
37 (tipre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near\$ circuit) and (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and (perpendicular\$5 vertical\$5) and 360/\$.ccls. 10			nous onous, and tadjusts onangs atters, nous of frequency and 500, 5.0015.	ЕРО; ЛРО;	
1. 1. 1. 1. 1. 1. 1. 1.					
(perpendicular\$5 vertical\$5) and \$60/\$.ccls. (perpendicular\$5 vertical\$5) and \$60/\$.ccls. (pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near\$ circuit) and (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and \$60/\$.ccls. (pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near\$ circuit) same (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and \$60/\$.ccls. (pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 near\$ circuit) same (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and \$60/\$.ccls. not (perpendicular\$5 vertical\$5) (pre near amplif\$5) (pre-amplif\$5) same (perpendicular\$3 vertical\$5) (pre near\$ (record\$5 writ\$5) and \$60/\$.ccls. (pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near5 (perpendicular\$3 vertical\$5) (pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (adjust\$5 chang\$5 modif\$5) near5 gain and \$60/\$.ccls. (pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 chang\$5 modif\$5) near5 gain and \$60/\$.ccls.	-	37		USPAT;	2003/10/18 20: 29
- Wight near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 to near5 circuit) and (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and \$60/\$.ccls. 7 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 to DERWENT; BM_TDB USPAT; US-PGPUB; EPO, IPO, IPO, IPO, IPO, IPO, IPO, IPO, I					
1. 1. 1. 1. 1. 1. 1. 1.			the beautiful as Activities of the second seconds.		
near5 circuit) and (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and 360/\$.ccls. US-PGPUB; POP.	_	50	Unre near amplifest /nre-amplifest amplifes preamplifest same /differentiates		2003/10/17 14: 08
- Wigner near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 lim TDB USPAT; US-PGPUB; BCO, IPO, DER WENT; IBM TDB USPAT; US-PGPUB; IBM TDB USPAT; US-PGPUB; ISM TDB USPAT; US-P		30	near5 circuit) and (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and 360/\$.ccls.		2003/10/17 14:08
- Wigner near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (differentiat\$5 USPAT; USPGPUB; EPO, JPO, DER WENT; IBM_TDB USPAT; USPGPUB; EPO, JPO, DER WENT; ISM_TDB USPAT; USPGPUB; EPO, JPO, DER WENT; ISM_TDB USPAT; USPGPUB; EPO, JPO, DER WENT; ISM_TDB USPAT; USPGPUB; EPO, JPO, DE			not (perpendicular\$5 vertical\$5)		
near5 circuity same (adjust\$5 chang\$5 alter\$5) near10 frequenc\$5 and 360/\$.ccls. not (perpendicular\$5 vertical\$5)					
- 85 longitudinal nears (reproduc\$5 read\$5) same (perpendicular\$3 vertical\$5) - 40 longitudinal near3 (reproduc\$5 read\$5) same (perpendicular\$3 vertical\$5) - 40 longitudinal near3 (reproduc\$5 read\$5) same (perpendicular\$3 vertical\$5) - 45 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) - 7 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) - 897 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 - 714 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 - 714 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 - 714 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 - 714 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5	-	7			2003/10/17 14:08
- 85 longitudinal near5 (reproduc\$5 read\$5) same (perpendicular\$3 vertical\$5) near5 (record\$5 writ\$5) and 360/\$.ccls. - 40 longitudinal near3 (reproduc\$5 read\$5) same (perpendicular\$3 vertical\$5) near3 (record\$5 writ\$5) and 360/\$.ccls. - 45 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near3 (record\$5 writ\$5) and 360/\$.ccls. - 7 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near3 (record\$5 writ\$5) and 360/\$.ccls. - 7 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near3 (recorded written) and 360/\$.ccls. - 897 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (adjust\$5 chang\$5 modif\$5) near5 gain and 360/\$.ccls. - 714 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 chang\$5 modif\$5) near5 gain and 360/\$.ccls.					
Solongitudinal near5 (reproduc\$5 read\$5) same (perpendicular\$3 vertical\$5) USPAT; US-PGPUB; EPO, JPO; DER WENT; IBM_TDB USPAT; US-PGPUB; EPO, JPO; DER WENT; IBM_TDB USPAT; US-PGPUB; EPO, JPO; DER WENT; IBM_TDB USPAT; US-PGPUB; EPO, JPO; DER WENT; IBM_TDB USPAT; Vertical\$5) near3 (record\$5 writ\$5) and 360/\$.ccls. USPAT; US-PGPUB; EPO, JPO; DER WENT; IBM_TDB USPAT; Vertical\$5) near3 (record\$5 writ\$5) and 360/\$.ccls. USPAT; US-PGPUB; EPO, JPO; DER WENT; IBM_TDB USPAT; Vertical\$5) near3 (record\$5 writ\$5) and 360/\$.ccls. USPAT; US-PGPUB; EPO, JPO; DER WENT; IBM_TDB USPAT; US-PGPUB; EPO, JPO; IPO; IPO; IPO; IPO; IPO; IPO; IPO; I					
- 40 longitudinal near3 (reproduc\$5 read\$5) same (perpendicular\$3 vertical\$5) near3 (record\$5 writ\$5) and 360/\$.ccls. 45 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) vertical\$5) near3 (record\$5 writ\$5) and 360/\$.ccls. 45 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near8 (record\$5 writ\$5) and 360/\$.ccls. 46 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near8 (recorded written) and 360/\$.ccls. 47 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near8 (recorded written) and 360/\$.ccls. 48 897 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (adjust\$5 vertical\$5) near8 gain and 360/\$.ccls. 48 97 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 vertical\$5) near8 gain and 360/\$.ccls. 49	-	85			2003/10/17 18:13
- 40 longitudinal near3 (reproduc\$5 read\$5) same (perpendicular\$3 vertical\$5)			near5 (record\$5 writ\$5) and 360/\$.ccls.		
do longitudinal near3 (reproduc\$5 read\$5) same (perpendicular\$3 vertical\$5) USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; D					
near3 (record\$5 writ\$5) and 360/\$.ccls. 45 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near3 (record\$5 writ\$5) and 360/\$.ccls. 45 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near3 (record\$5 writ\$5) and 360/\$.ccls. 46 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near3 (recorded written) and 360/\$.ccls. 47 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near3 (recorded written) and 360/\$.ccls. 48 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (adjust\$5 (us-PGPUB; EPO; PO; DERWENT; IBM_TDB (us-PGPUB; EPO; PO; IPO; IPO; IPO; IPO; IPO; IPO; IP	_	40	langitudinal near2 /reproducts readts come /perpandiculart2 verticalts		2003/10/17 18, 19
- 45 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; vertical\$5) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; vertical\$5) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; JPO; DERWENT; US-PGPUB; EPO; JPO; JPO; DERWENT; US-PGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J		40			2003/10/17 18:19
- 45 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near3 (record\$5 writ\$5) and 360/\$.ccls. 7 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near3 (recorded written) and 360/\$.ccls. 897 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near3 (recorded written) and 360/\$.ccls. 897 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (adjust\$5 chang\$5 modif\$5) near5 gain and 360/\$.ccls. 989 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (adjust\$5 to DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; IPO; IPO; IPO; IPO; IPO; IPO; IPO; I					
vertical\$5) near3 (record\$5 writ\$5) and 360/\$.ccls. To the discrete of the product of the produ					
- 7 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near3 (recorded written) and 360/\$.ccls. - 897 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (adjust\$5 chang\$5 modif\$5) near5 gain and 360/\$.ccls. - 714 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 chang\$5 modif\$5) near5 gain and 360/\$.ccls. - 714 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 (adjust\$5 chang\$5 modif\$5) near5 gain and 360/\$.ccls.	-	45			2003/10/17 18: 29
- (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near3 (recorded written) and 360/\$.ccls. 897 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (adjust\$5 chang\$5 modif\$5) near5 gain and 360/\$.ccls. 18M_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			verticals of new of the contrast with so, and soon section.	ЕРО; ЛРО;	
7 (horizontal\$3 longitudinal) near3 (reproduc\$5 read\$5) near5 (perpendicular\$3 vertical\$5) near3 (recorded written) and 360/\$.ccls. 897 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (adjust\$5 chang\$5 modif\$5) near5 gain and 360/\$.ccls. 987 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (adjust\$5 chang\$5 modif\$5) near5 gain and 360/\$.ccls. 988 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 chang\$5 modif\$5) near5 gain and 360/\$.ccls. 988 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 chang\$5 modif\$5) near5 gain and 360/\$.ccls.					
- 897 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (adjust\$5 USPAT; US-PGPUB; EPO; JPO; DER WENT; IBM_TDB - 714 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 Chang\$5 modif\$5) near5 gain and 360/\$.ccls. 714 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 USPAT; US-PGPUB; EPO; JPO; DER WENT; IBM_TDB USPAT;	-	7		USPAT;	2003/10/17 18: 28
- 897 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (adjust\$5 chang\$5 modif\$5) near5 gain and 360/\$.ccls. - 714 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 chang\$5 modif\$5) near5 gain and 360/\$.ccls. DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; US-PGPUB; EPO; JPO;			vertical\$5) near3 (recorded written) and 360/\$.ccls.		
- 897 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (adjust\$5				DERWENT;	
chang\$5 modif\$5) near5 gain and 360/\$.ccls. US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; USPAT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO;	_	897	((nre near amplif\$5) (nre-amplif\$5) amplif\$5 preamplif\$5) same (adjust\$5		2003/10/17 18: 30
- 714 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 USPAT; US-PGPUB; EPO; JPO;		0,,		US-PGPUB;	3000/20/20
714 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 USPAT; US-PGPUB; EPO; JPO;					
chang\$5 modif\$5) near5 gain and 360/\$.ccls. US-PGPUB; EPO; JPO;			Warn Warn Warn Warn Warn	IBM_TDB	2002 40 47
ЕРО, ЛРО,	-	714	((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 chang\$5 modif\$5) near5 gain and 360/\$.ccls.		2003/10/17 18: 30
DERWENI;				ЕРО; ЈРО;	
IBM_TDB					
- 114 ((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) near10 (adjust\$5 USPAT; 2003/10/17 18: 3:	-	114		USPAT;	2003/10/17 18: 31
chang\$5 modif\$5) near5 gain and 360/46.cels. US-PGPUB; EPO; JPO;			chang\$5 modif\$5) near5 gain and 360/46.ccls.		
DERWENT;				DERWENT,	
IBM_TDB	-	11	((pre near amplif\$5) (pre-amplif\$5) preamplif\$5) near10 (adjust\$5 chang\$5		2003/10/17 18: 31
modif\$5) near5 gain and 360/46.ccls. US-PGPUB;				US-PGPUB;	
EPO; JPO; DERWENT;					
IBM_TDB	_		//www.many.commlifeEt./man.commlifeEt.man.commlifeE	IBM_TDB	3003/10/17 10 35
- 1 ((pre near amplif\$5) (pre-amplif\$5) preamplif\$5) near10 (adjust\$5 chang\$5 USPAT; 2003/10/17 18: 32 modif\$5) near5 circuit near5 gain and 360/46.ccls. US-PGPUB;	[1			2003/10/17 18: 32
EPO; JPO; DERWENT;			_	EPO; JPO;	
IBM_TDB					

-	28	(select\$5 switch\$5 chang\$5) same differentiat\$8 same channel and	USPAT;	2003/10/17 20: 08
		360/46.ccls.	US-PGPUB;	
			ЕРО; ЛРО;	
			DERWENT;	
			IBM_TDB	
-	3	(controll\$5) same (switch\$5 select\$5) same (differentiation)	USPAT;	2003/10/18 20: 12
		same ((thermal near asperity) thermal\$4 temperature\$5) and 360/\$.ccls.	US-PGPUB;	
	1		ЕРО; ЛРО;	
		,	DERWENT;	
			IBM_TDB	
-	1	(controll\$5) same (disabl\$5 off) same (differentiating differentiation) same	USPAT;	2003/10/18 20: 14
		((thermal near asperity) thermal\$4 temperature\$5) and 360/\$.ccls.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
		(IBM_TDB	2002/10/10 20 15
-	1	(controll\$5) same (select\$5 switch\$5) and (select\$5 switch\$5) same (disabl\$5	USPAT;	2003/10/18 20: 15
		off) same (differentiating differentiation) same ((thermal near asperity)	US-PGPUB;	
		thermal\$4 temperature\$5) and 360/\$.ccls.	EPO; JPO;	
			DERWENT;	
		(-1	IBM_TDB	3003/10/10 30 10
-	1	(select\$5 switch\$5) same (disabl\$5 off) same (differentiating differentiation)	USPAT;	2003/10/18 20: 18
		same ((thermal near asperity) thermal\$4 temperature\$5) and 360/\$.ccls.	US-PGPUB; EPO; JPO;	
			DERWENT;	
	1		IBM_TDB	
	1	(select\$5 switch\$5 choos\$5) same (disabl\$5 off) same (differetiating	USPAT:	2003/10/18 20: 29
-	1	differentiation) same ((thermal near asperity) thermal \$4 temperature\$5) and	US-PGPUB;	2003/10/10 20:23
		360/\$.ccls.	EPO; JPO;	
		360/\$.0015.	DERWENT;	
			IBM_TDB	
-	58	((pre near amplif\$5) (pre-amplif\$5) amplif\$5 preamplif\$5) same (select\$5	USPAT;	2003/10/18 21:01
		switch\$5) near5 circuit same (differentiat\$5 near5 circuit) and 360/\$.ccls.	US-PGPUB;	
		, and a second s	ЕРО; ЈРО;	
			DERWENT;	
			IBM_TDB	
-	157	amplif\$5 near5 ((direct near current) dc) same (bias\$5 current) same (chang\$5	USPAT;	2003/10/18 21: 09
		adjust\$5 switch\$5) and 360/\$.ccls.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	10	amplif\$5 near5 ((direct near current) dc) same (bias\$5 current) same (chang\$5	USPAT;	2003/10/18 21:12
		adjust\$5 switch\$5) and 360/46.ccls.	US-PGPUB;	
			ЕРО; ЛРО;	
			DERWENT;	
			IBM_TDB	
•	157		USPAT;	2003/10/18 21: 14
		adjust\$5 switch\$5) and 360/\$.ccls.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
		11000	IBM_TDB	3003/10/10 31 1/
-	58	amplif\$5 near5 ((direct near current) dc) near5 circuit near10 (bias\$5 current)	USPAT; US-PGPUB;	2003/10/18 21:18
		and 360/\$.ccls.	EPO; JPO;	
	1		DERWENT;	
		ammilifet manuf ((direct manufacturent) del manufacioni i manufa (hisaet annount)	IBM_TDB	2003/10/18 21:10
-	9	amplif\$5 near5 ((direct near current) dc) near5 circuit near10 (bias\$5 current) and 360/46.ccls.	USPAT; US-PGPUB;	2003/10/18 21:10
		and 500/40.0018.	EPO; JPO;	
	1		DERWENT;	
			IBM TDB	
	1		11010	L